SBR:000034/23-24

BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ELECTRICAL DIVISION

MEASUREMENT BOOK

Name of work: :- Annual Maintenance of street lights package D-5 in T Dasarahalli ward no 15

Job Code No:-:015-22-000002

Reference to Agreement No:- EE/Ele/DZ/TEND/AG/000013/21-22 **Date:16.03.2022**

Reference to Supplementatry Agreement No: EE/Ele/DZ/TEND/SAG/24/22-23 **Date:24.03.2023**

Reference to Work order No:- EE/Ele/DZ/TEND/WO/000005/22--23 **Date:04.04.2022**

Reference to Supplementatry Work order No:- EE/Ele/DZ/TEND/SWO/31/22--23 **Date:24.03.2023**

Estimate Amount:Rs.2120000.00

EE/(Elec)/DZ/TEND/AS/14/2021-22 Date:21-03-2022

EE/(Elec)/DZ/TEND/TS/165/2021-22 Date:11-01-2022

Name of Contractror of nature of Agency:- M/s. Prashanth Electricals

Measurement Book No: 6897 **Page No:** **Date:** 24/07/2023 (689 613 - 689 614)

Bill NO :- 11th RA Bill Bill Period :- 01/06/2023- 30/06/2023

Sl. No.	Description	Unit	Period 1 Month	Present Measurements			
				Qty	Tender Full Rate for 1 year	Rate/Month	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 36/40 W fluorescent tube light street lighting system.	Each	1	0	685.00	57.08	0.00
	No of complaints attended for the period of 01.06.2023 to 30.06.2023						
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 125W HPMV Park lighting system.	Nos	1	12	756	63.00	756
	No of complaints attended for the period of 01.06.2023 to 30.06.2023						
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed belowPoles with 250W HPSV street lighting system.	Each	1	851	1010	84.16	71620.16

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DZ
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	No of complaints attended for the period of 01.06.2023 to 30.06.2023							
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 400 watts HPSV street light /High mast lighting system.	Each	1	36	1118	93.16	3353.76
	No of complaints attended for the period of 01.06.2023 to 30.06.2023						
5	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 24 Watt to 40 Watt LED Park/ street lighting system.	Each	1	473	880	73.33	34685.09
	No of complaints attended for the period of 01.06.2023 to 30.06.2023						
6	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 40 Watt to 65 W LED street Light lighting system.	Each	1	49	1147	95.58	4683.42
	No of complaints attended for the period of 01.06.2023 to 30.06.2023						
7	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 90W LED street light lighting system.	Each	1	27	1377	114.75	3098.25

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	No of complaints attended for the period of 01.06.2023 to 30.06.2023						
	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for110/120 watt LED street light lighting system	Nos	1	0	1575	131.25	0
	No of complaints attended for the period of 01.06.2023 to 30.06.2023						
	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 150/180 watt LED street light /High mast lighting system.	Nos	1	0	1871	155.91	0
	No of complaints attended for the period of 01.06.2023 to 30.06.2023						
10	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility.300mmx450mmx214mm	Each	1	10	5127	5120.00	51200

SL. NO	POLE NO	ADDRESS
1	PE/15/KN/TCS3/RE/00/04/06/S/LED	1ST CROSS KRISHNAGOWDA LAYOUT NEAR NANDINI PARLOUR
2	PE/15/TC15/TT/00/02/S57/SV	PRASHANTHNAGAR MARUTHIMEDICAL ROAD
3	PE/15/TC15/TTR/521/LED	SHRI CHAPPALAMMA DEVI CIRCLE NAVEEN TAILER

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4	PE/15/TC/DHR/645/LED	1ST MAIN RAOD T DASRAHALLI							
5	PE/15/TC/MB/10/70/00	T DASRAHALLI METROSTATION BACKSIDE							
6	PE/15/TC/RR/2063/SV	RAMESH RAOD KAVITHA FLOOURMILL MAIN ROAD							
7	PE/15/TC/MC/03/00/588/SV	MUTTURAJASWAMY TEMPLE PRASHANTHNAGAR A							
8	PE/15/TC/MC.01/00/681/SV	1ST MAIN ROAD 7TH CROSS NURSING HOME BUILDING MTS COLONY T DASARAHALLI							
9	PE/15/TC/77/MN/00/06/LED	2ND CROSS MAHESHWARINAGA RA TUTARI CLINIC							
10	PE/15/TC/DHR/654/LED	1ST MAIN ROAD SRI RAMMANDIRA RAOD JAIN TEMPLE							
11	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100 to 125Amps		Each	0	22	7200	7100.00	156200	
12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.50-63 Amps SP		Each	0	24	723	720.00	17280	
13	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.		Each	0	24	4030	4000.00	96000	
14	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.6 sqmm		Mtr	0	8	70	65.00	520	
	1 PE/15/KN/TC53/RE/00/04/06/S/LED	1ST CROSS KRISHNAGOWDA LAYOUT NEAR NANDINI PARLOUR							
	2 PE/15/TC15/TT/00/02/557/SV	PRASHANTHNAGAR MARUTHIMEDICAL ROAD							
	3 PE/15/TC15/TTR/521/LED	SHRI CHAPPALAMMA DEVI CIRCLE NAVEEN TAILER							
	4 PE/15/TC/DHR/645/LED	1ST MAIN RAOD T DASRAHALLI							

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	T DASRAHALLI METROSTATION BACKSIDE	
/15/TC/MB/10/70/00	RAMESH RAOD KAVITHA FLOOURMILL MAIN ROAD	
E/15/TC/RR/2063/SV	MUTTURAJASWAMY TEMPLE PRASHANTHNAGAR A	
PE/15/TC/MC/03/00/588/SV	1ST MAIN ROAD 7TH CROSS NURSING HOME BUILDING MTS COLONY T DASARAHALLI	
PE/15/TC/MC.01/00/681/SV	2ND CROSS MAHESHWARINAGA RA TUTARI CLINIC	
PE/15/TC/77/MN/00/06/LED	1ST MAIN ROAD SRI RAMMANDIRA RAOD JAIN TEMPLE	
0 PE/15/TC/DHR/654/LED	GANESH SAWMALL ROAD MAHESHWARAM TEMPLE	
11 PE/15/TC77/SMR/968/LED	KEMPEGOWDANAG ARA 6 A CROSS	
12 PE/15/TC73/KG/00/06A/867/LED	BHUVANESHWARAN AGARA 3RD CROSS	
13 PE/15/TC27/BN/00/03/844/LED	6TH MAIN 8TH CROSS BHUVANESHWARIN AGAR	
14 PE/15/TC27/BN/06/00/812/LED	KEMEGOWDA NAGARA 1ST MAIN ROAD	
15 PE/15/TC/KNR/712/LED	KEMPEGOWDA NAGAR 2ND MAIN ROAD	
16 PE/15/TC54/KG/02/00/935/LED	KEMPEGOWDA NAGAR 3RD MAIN ROAD	
17 PE/15/TC/KG/01/00/913/LED	NALEMAHESHARI TEMPLE	
18 PE/15/TC/KG/01/00/901/SV	3RD CROSS KK ROAD KALYAN NAGAR	
19 PE/15/TC12/KKR/1038/LED	1ST MAIN ROAD KALYAN NAGARA NALEMAHESHWARA	
20 PE/15/TC12/MTR/676/LED	BHARATH THEATER 5TH CROSS NETAJINAGAR 3RD CROSS	
21 PE/15/TC116/BTR/38/SV	3RD CROSS EXCEL KALYNAMANTAPA ROCKLINE MALL	
22 PE/15/TC/16/SR/05/00/37/LED	GRAPEGARADEN 1ST MAIN ROAD	
23 PE/15/TC/12/GG/01/00/21/LED		

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15	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.6 sqmm	Each	0	72	7	7.00	504
16	1.1 kV, LT Aerial Bunched Cable, confirming to IS-14255: 1995 XLPE insulation Parameter shall be as below 1. Hot Set Test: a) Elongation under Load: 50% (Max) b) Permanent Elongation After Cooloing: 3% (Max) 2. Thermal Aging in oven: a) Tensile Strength: 16 N/mm^2 (Min) b) Elongation: 375% (Min) 3. Water Absorption Test a) Water absorbed: 0.5 mg/cm^2 (Max) 4. Carbon Black Content shall be ranging from 2% to 3% 3x25 + 1x25 + 1x16 Sqmm Street light (Insulated Messenger cum Neutral)	Km	0	1.35	0	147000.00	198450
17	Stringing of 1.1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of size (3x95) (Phase Conductor) + (1x70) (Insulated Messenger Neutral) + (1x25) (Street Light Control)	Km	0	1.35	0	22469.00	30333.15
18	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm	Mtrs	0	175	0	150.00	26250
19	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 6 sqmm to 16 sqmm	Mtrs	0	175	0	30.00	5250

	VIDEOFACTORY MAIN ROAD	
11	CE/14/TC/MMR/00/11/SV/1583	30mtr
12	CE/14/TC/MMR/00/12/SV/1584	35mtr
13	CE/14/TC/MMR/00/13/SV/1585	35mtr
14	CE/14/TC/MMR/00/15/SV/1587	38mtr
15	CE/14/TC/MMR/00/16/SV/1588	35mtr
16	CE/14/TC/MMR/00/17/SV/1589	38mtr
17	CE/14/TC/MMR/00/18/SV/1590	38mtr
18	CE/14/TC/MMR/00/19/SV/1580	38mtr
19	CE/14/TC/MMR/00/20/SV/1581	35mtr
20	CE/14/TC/MMR/00/21/SV/1588	38mtr
	HIGH ROAD	
1	CE/14/TC/MMR/00/01/SV/1574	35mtr
2	CE/14/TC/MMR/00/02/SV/1575	38mtr
3	CE/14/TC/MMR/00/03/SV/1576	35mtr
4	CE/14/TC/MMR/00/04/SV/1577	35mtr
5	CE/14/TC/MMR/00/05/SV/1578	35mtr
6	CE/14/TC/MMR/00/06/SV/1579	30mtr
7	CE/14/TC/MMR/00/07/SV/1580	33mtr
8	CE/14/TC/MMR/00/08/SV/1581	35mtr
9	CE/14/TC/MMR/00/09/SV/1582	30mtr
10	CE/14/TC/MMR/00/10/SV/1583	38mtr
	CHIKKABANAVARA ABBIGERE MAIN ROAD	
1	CHE/12/TC75/CMR/00/01/SV/3032	35mtr
	CHE/12/TC75/CMR/00/02/SV/3033	35mtr
	CHE/12/TC75/CMR/00/03/SV/3034	38mtr
	CHE/12/TC75/CMR/00/04/SV/3035	35mtr
	CHE/12/TC75/CMR/00/05/SV/3036	35mtr
	CHE/12/TC75/CMR/00/07/SV/3038	30mtr
	CHE/12/TC75/CMR/00/08/SV/3039	35mtr
	CHE/12/TC75/CMR/00/09/SV/3040	33mtr
	CHE/12/TC75/CMR/00/10/SV/3041	40mtr
	CHE/12/TC75/CMR/00/11/SV/3042	40mtr
	CHE/12/TC75/CMR/00/12/SV/3043	35mtr
	CHE/12/TC75/CMR/00/13/SV/3044	40mtr
	CHE/12/TC75/CMR/00/14/SV/3045	40mtr
	CHE/12/TC75/CMR/00/15/SV/3046	40mtr
	CHE/12/TC75/CMR/00/16/SV/3047	35mtr
	CHE/12/TC75/CMR/00/17/SV/3048	30mtr
	CHE/12/TC75/CMR/00/18/SV/3049	40mtr
	CHE/12/TC75/CMR/00/19/SV/3050	30mtr

Sub Total				**118872.66**
Add GST 18%	-12%	14264.72	104607.94	
Total	18%	18829.43	123437.37	
Add GST18% on item no10 to 19	18%	585089.15	690405.20	
			813842.57	
Fine imposed for non burning of street lights For the period of 01.06.2023 TO 30.06.2023			1500.00	
As per street light agreement clause 2 % will be deducted in monthly maintenance bill against the released scrap material			2468.75	
GRAND TOTAL			**809873.82**	

ERTIFICATE

1.This is to certify that the work done is saticefactorily.

2.This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Assistant Engineer(Elec)
Dasarahalli Division

Asst.Exe.Engineer(Elec)
Dasrahalli Division

EXECUTIVE ENGINEER(Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Executive Engineer (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone

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